

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 GEOTECHNICAL UNIT BORING LOG

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 GEOTECHNICAL UNIT BORING LOG

PROJECT NO. 33243.1.1		ID. B-3703		COUNTY WAKE		GEOLOGIST O. B. OTI										
SITE DESCRIPTION BRIDGE NO. 317 ON -L- (SR 1404, JOHNSON POND ROAD) OVER MIDDLE CREEK							GROUND WATER									
BORING NO. BI-A		BORING LOCATION 17+93		OFFSET 7' LT		ALIGNMENT -L-										
COLLAR ELEVATION 265.9'		NORTHING 688790		EASTING 2076517		24 HR. 1.0'										
TOTAL DEPTH 53.5'		DRILL MACHINE CME-45C		DRILL METHOD N CASING, WASH		HAMMER TYPE AUTOMATIC										
START DATE 12/08/03		COMPLETION DATE 12/09/03		SURFACE WATER DEPTH N/A		DEPTH TO ROCK N/A										
ELEV. (FT.)	DEPTH (FT.)	BLOW COUNT			PEN. (FT.)	BLOWS PER FOOT					SAMPLE NUMBER	MOI.	LOG	SOIL AND ROCK DESCRIPTION		
		0.5'	0.5'	0.5'		0	25	50	75	100						
265.9	2.4	1	1	1	1.0	X2									M	ALLUVIAL, BROWN-GRAY, FINE SAND WITH GRAVEL
260.0	7.4	7	9	10	1.0	X19									W	
255.0	12.4	6	11	17	1.0	X28									W	
250.0	17.0	8	13	14	1.0	X27									W	
245.0	22.0	6	16	26	1.0	X42									W	
240.0	27.0	12	17	19	1.0	X36									W	RESIDUAL, BROWN-GRAY, SAPROLITIC, MODERATELY TO HIGHLY PLASTIC, SILTY CLAY
235.0	32.0	4	8	13	1.0	X21									W	
230.0	37.0	10	14	19	1.0	X33									W	
225.0	42.0	4	7	12	1.0	X19									W	
220.0	47.0	2	6	12	1.0	X18									W	
215.0	52.0	4	10	12	1.0	X22									W	
BORING TERMINATED AT ELEVATION 212.4 FEET IN RESIDUAL SILTY CLAY																

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SITE DESCRIPTION BRIDGE NO. 317 ON -L- (SR 1404, JOHNSON POND ROAD) OVER MIDDLE CREEK							GROUND WATER									
BORING NO. BI-B		BORING LOCATION 17+93		OFFSET 8' RT		ALIGNMENT -L-										
COLLAR ELEVATION 265.5'		NORTHING 688785		EASTING 2076530		24 HR. 0.5'										
TOTAL DEPTH 38.5'		DRILL MACHINE CME-45C		DRILL METHOD N CASING, WASH		HAMMER TYPE AUTOMATIC										
START DATE 12/05/03		COMPLETION DATE 12/05/03		SURFACE WATER DEPTH N/A		DEPTH TO ROCK N/A										
ELEV. (FT.)	DEPTH (FT.)	BLOW COUNT			PEN. (FT.)	BLOWS PER FOOT					SAMPLE NUMBER	MOI.	LOG	SOIL AND ROCK DESCRIPTION		
		0.5'	0.5'	0.5'		0	25	50	75	100						
265.5	2.0	WOH	WOH	WOH	1.0	X0									W	ALLUVIAL, BROWN AND BROWN-GRAY, FINE SAND WITH GRAVEL
260.0	7.0	7	6	9	1.0	X15									W	
255.0	12.0	5	13	21	1.0	X34						SS-14			M	
250.0	17.0	17	26	31	1.0	X57						SS-15			M	RESIDUAL, BROWN-GRAY, SAPROLITIC, MODERATELY TO HIGHLY PLASTIC, SILTY CLAY
245.0	22.0	21	28	38	1.0	X66									M	
240.0	27.0	14	15	22	1.0	X37						SS-16			M	
235.0	32.0	14	15	20	1.0	X35									M	
230.0	37.0	14	20	25	1.0	X45						SS-17			M	
BORING TERMINATED AT ELEVATION 227.0 FEET IN RESIDUAL SILTY CLAY																